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TITLE: Magnetic recording medium mfg method
for computer - by using polish tape whose fibre
intensity is more than 400% with modulus intensity of dry and wet
polish tape being 11 kg/5 cm width and 8 kg/5 cm width

PATENT-ASSIGNEE: MITSUBISHI CHEM CORP [MITU]

PRIORITY-DATA: 1994JP-0226623 (September 21, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	
LANGUAGE	PAGES	MAIN-IPC
JP 08096355 A	006	April 12, 1996
		G11B 005/84
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
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JP 08096355A	N/A	
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INT-CL (IPC): B24B021/00, B24D011/00, G11B005/84

ABSTRACTED-PUB-NO: JP 08096355A

BASIC-ABSTRACT:

The method involves performing a grinding process to the surface of the substrate (1) by slurry grinding which used free grinding particles and a polish tape (2). The intensity of fibres in the polish tape is more than 400%. The modulus intensity of the 10% of dry polish tape is 11 kg/5 cm width and

that of 10% wet polish tape is 8 kg/5 cm width.

ADVANTAGE - Improves surface property. Improves wear resistance. Obtains good electromagnetic conversion characteristic. Prevents noise during grinding process.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: MAGNETIC RECORD MEDIUM MANUFACTURE METHOD
COMPUTER POLISH TAPE

FIBRE INTENSITY MORE MODULUS INTENSITY DRY WET
POLISH TAPE KG CM
WIDTH KG CM WIDTH

DERWENT-CLASS: P61 T03

EPI-CODES: T03-A02B1A; T03-A02D1; T03-A02E1A;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1996-204428

PAT-NO: JP408096355A
DOCUMENT-IDENTIFIER: JP 08096355 A
TITLE: PRODUCTION OF MAGNETIC RECORDING
MEDIUM
PUBN-DATE: April 12, 1996

INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To form a magnetic recording medium having excellent electromagnetic transducing characteristics by preventing texture noise and waving at the time of texturing.

CONSTITUTION: A nonwoven fabric tape having a water retaining rate of $\geq 400\%$, fiber strength of ≤ 11 [kg/5cm width] in 10% modulus strength (longitudinal direction) when dry and a difference of ≤ 8 [kg/5cm width] between the 10% modulus strength (longitudinal direction) when dry and when wet

is used as a grinding tape at the time of executing texturing by slurry grinding using free abrasive grains and the grinding tape. The abrasive grains are then well deposited on the grinding tape and the efficient texturing is executed. The wiping away of the grinding scum by the grinding tape is sufficient, a cleaning effect is high and the pressing force of the abrasive grains by the grinding tape is uniform and adequate. The substrate surface is thus uniformly and effectively ground. The abrasive grain holding power and the cushion property at the time of pressing the abrasive grains are adequately balanced.

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